

What is claimed is:

1. A nozzle to be provided at a head of a fluid container,
comprising:

5 at least two flexible sheets superposed with each other and welded to each other along
peripheral portions thereof so as to define a nozzle body having

(i) welded portions that have a greater width on an upstream side of said nozzle body
than on a downstream side of said nozzle body, and

10 (ii) inner surfaces, defined by respective inner surfaces of said at least two flexible
sheets, that are in contact one with another such that after contents are filled into the fluid container
said inner surfaces in contact with each other define a seal so as to prevent leakage of the contents
from a downstream end of said nozzle body, which seal is designed to be broken upon the contents
being forced toward said upstream side of said nozzle body via an internal pressure of the fluid
container.

15 2. The nozzle according to claim 1, wherein
at least one of said at least two flexible sheets is non-planar prior to the contents being forced
toward said upstream side of said nozzle body so as to further prevent leakage of the contents from
said downstream end of said nozzle body.

20 3. The nozzle according to claim 2, further comprising:
a crease in at least one of said at least two flexible sheets so as to define a boundary line in
said at least one of said at least two flexible sheets.

25 4. The nozzle according to claim 3, wherein
said crease is defined by a plastically deformed portion of said at least one of said at least two
flexible sheets.

5. A nozzle to be provided at a head of a fluid container,
comprising:

at least two flexible sheets superposed with each other and welded to each other along
peripheral portions thereof so as to define a nozzle body having

5 (i) welded portions that have a greater width on an upstream side of said nozzle body
than on a downstream side of said nozzle body, and

(ii) inner surfaces, defined by respective inner surfaces of said at least two flexible
sheets, that are in contact one with another such that after contents are filled into the fluid container
said inner surfaces in contact with each other define a seal, at a downstream end part of said welded
10 portions that have said greater width, so as to prevent leakage of the contents from a downstream
end of said nozzle body, which seal is designed to be broken upon the contents being forced toward
an upstream side of said nozzle body via an internal pressure of the fluid container.

6. The nozzle according to claim 5, wherein

15 said seal includes a crease in at least one of said at least two flexible sheets.

7. The nozzle according to claim 6, wherein

said at least one of said at least two flexible sheets is non-planar prior to the contents being
forced toward said upstream side of said nozzle body so as to further prevent leakage of the contents
20 from said downstream end of said nozzle body.

8. The nozzle according to claim 5, wherein

said at least one of said at least two flexible sheets is non-planar prior to the contents being
forced toward said upstream side of said nozzle body so as to further prevent leakage of the contents
25 from said downstream end of said nozzle body.

9. The nozzle according to claim 1, wherein
said welded portions define an upstream end, a downstream end, and lateral sides extending substantially linearly from said upstream end to said downstream end, with said lateral sides facing one another so as to define a passage therebetween, and

5 said welded portions have a greater width on said upstream side of said nozzle body than on said downstream side of said nozzle body by having a greater width at said upstream end than at said downstream end.

10. A fluid container having at a head thereof a nozzle, said
10 nozzle comprising:

at least two flexible sheets superposed with each other and welded to each other along peripheral portions thereof so as to define a nozzle body having

(i) welded portions that have a greater width on an upstream side of said nozzle body than on a downstream side of said nozzle body, and

15 (ii) inner surfaces, defined by respective inner surfaces of said at least two flexible sheets, that are in contact one with another such that after contents are filled into the fluid container said inner surfaces in contact with each other define a seal so as to prevent leakage of the contents from a downstream end of said nozzle body, which seal is designed to be broken upon the contents being forced toward said upstream side of said nozzle body via an internal pressure of said fluid
20 container.

11. The fluid container according to claim 10, wherein
at least one of said at least two flexible sheets is non-planar prior to the contents being forced toward said upstream side of said nozzle body so as to further prevent leakage of the contents from
25 said downstream end of said nozzle body.

12. The fluid container according to claim 10, wherein
said welded portions define an upstream end, a downstream end, and lateral sides extending substantially linearly from said upstream end to said downstream end, with said lateral sides facing one another so as to define a passage therebetween, and

5 said welded portions have a greater width on said upstream side of said nozzle body than on said downstream side of said nozzle body by having a greater width at said upstream end than at said downstream end.

10 13. A fluid container having at a head thereof a nozzle, said nozzle comprising:

at least two flexible sheets superposed with each other and welded to each other along peripheral portions thereof so as to define a nozzle body having

(i) welded portions that have a greater width on an upstream side of said nozzle body than on a downstream side of said nozzle body, and

15 (ii) inner surfaces, defined by respective inner surfaces of said at least two flexible sheets, that are in contact one with another such that after contents are filled into the fluid container said inner surfaces in contact with each other define a seal, at a downstream end part of said welded portions that have said greater width, so as to prevent leakage of the contents from a downstream end of said nozzle body, which seal is designed to be broken upon the contents being forced toward
20 an upstream side of said nozzle body via an internal pressure of said fluid container.

14. The fluid container according to claim 13, wherein
said seal includes a crease in at least one of said at least two flexible sheets.

25 15. The fluid container according to claim 14, wherein
said at least one of said at least two flexible sheets is non-planar prior to the contents being forced toward said upstream side of said nozzle body so as to further prevent leakage of the contents from said downstream end of said nozzle body.

16. The fluid container according to claim 13, wherein
said at least one of said at least two flexible sheets is non-planar prior to the contents being
forced toward said upstream side of said nozzle body so as to further prevent leakage of the contents
from said downstream end of said nozzle body.

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